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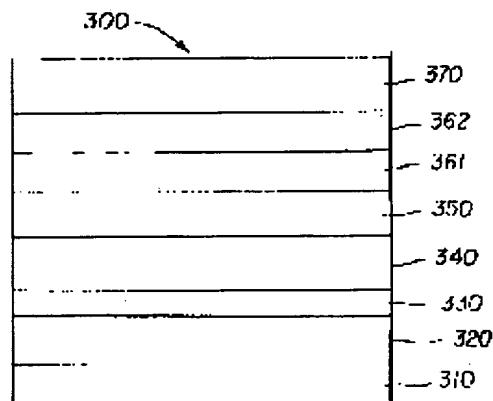
(54) ORGANIC LIGHT-EMITTING DIODE DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a highly efficient, white color emitting organic light-emitting diode device.

SOLUTION: The organic light-emitting diode device comprises (a) a substrate, (b) an anode arranged on top of the substrate, (c) a hole injecting layer arranged on the anode, (d) a hole carrier layer arranged on the hole injecting layer, (e) a luminous layer arranged directly on the hole carrier layer, in which a blue-color emitting compound is doped, (f) an electron carrier layer arranged on the blue-color emitting layer, and (g) a cathode arranged on top of the electron carrier layer. (h) The hole carrier layer is doped selectively by a compound emitting in the yellow-color range of the spectrum in the region corresponding to a part or the whole of the layer that contacts the blue-color emitting layer, and (i) the electron carrier layer is doped selectively by a compound emitting in the green-color range of the spectrum in the region corresponding to a part or the whole of the layer that contacts the blue-color emitting layer.

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